

## LAMP DRIVER SYSTEM WITH IMPROVED REDUNDANCY

### ABSTRACT OF THE DISCLOSURE

A lamp driver system that facilitates improved reliability and performance for a display system is provided. The lamp driver system includes a fault detector and an output steering device. The fault detector determines when a failure occurs in a lamp illuminating the display system. The output steering device selectively drives the lamps to illuminate the display system. Specifically, when a failure in a first lamp is detected by the fault detector, the output steering device is used to selectively drive a second lamp to provide the needed illumination to the display system. The lamp driver system thus can provide redundancy in the display system by automatically switching to a backup lamp when a failure in the first lamp is detected. This redundancy can improve the reliability and performance of the display system.